WORK EXPERIENCE

True Digital Surgery, UX/UI Engineer
Nov 2020 - Present | **3¹ᐟ² years** | Santa Barbara, CA

- **Project Leadership:** Led a UX/UI project for the Aesculap Aeos® software, a flagship *3D Digital Surgical Microscope*, increasing user satisfaction by 37% compared to its predecessor.
- **UX Optimization:** Enhanced information architecture and streamlined complex workflows, resulting in a 20% faster task completion rate for users, which significantly reduced onboarding time and training costs.
- **Collaboration & Communication:** Worked closely with developers, Bio-Medical, Regulatory, and Product Management teams to ensure design feasibility, safety, and usability. Effectively communicated design ideas across teams and leadership through storytelling. Facilitated a successful FDA 510(k) clearance submission.
- **Design System Implementation:** Co-created a comprehensive Design System, reducing front-end development time by 44% and ensuring consistency across all products.
- **Front-End Support & Mentorship:** Provided frequent support for front-end development using an XML-based UI framework and C++ code. Mentored UI developers, sharing best practices for design implementation.
- **Project Reporting:** Produced high-level reports on project outcomes, including detailed analysis, design plans, and performance metrics.

Arizona State University (ASU), UX Researcher
Jan 2020 - Nov 2020 | **10 months** | Tempe, AZ

- Planned and executed usability testing sessions for ASU web products, identifying critical issues and recommending design improvements that boosted task completion rates by 20%.
- Conducted studies on the *asu.edu* navigation bar, uncovering root causes of reduced engagement that led to the development of new features improving user engagement by 18%.

Thomson Reuters, Software Engineer
Aug 2015 - Jul 2018 | **3 years** | Bangalore, India

- Created reusable *Python* scripts for automated application deployments.
- Developed *Selenium WebDriver* test scripts for post-deployment functional testing.
- Implemented continuous deployment pipelines with *Jenkins* for streamlined releases.

SKILLS

Process: Design Thinking | Agile/Scrum | IEC 62366 | FDA Human Factors Guidance

Design: Concept sketches | User flows | Wireframes | Rapid Prototyping | Mockups | Illustration | WCAG | Web Motion Graphics | Micro-interactions

User Research: Interviews | Surveys | VOCs | Field Study | A/B testing | Journey Maps | FMEA | URRA | Task Analysis | PCA Analysis | Heuristic evaluation | Story Mapping

Development: HTML | CSS | C++ | JavaScript

Tools: Figma | Adobe XD | Photoshop | Illustrator | Balsamiq | UserTesting | Wix | Adobe After Effects

EDUCATION

MS, User Experience
Arizona State University
Aug 2018 - May 2020 (Tempe, AZ)

BE, Information Science & Engineering
Visvesvaraya Technological University
Sep 2011 - Jun 2015 (India)

AWARDS

I2O Global Design, *Best Logo Design*
Thomson Reuters Innovate to Operate '17

Softek, *Best Software Design*
14th COFAS International, India

E-Collage, *Best Visual Design*
14th COFAS International, India